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Deer Lodge, MT 59722

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30 January, 2013

Rep. Duane Ankney, Chair
House Appropriations Committee
Montana 2013 Legislature

To Mr. Chairman and Committee members:

We are writing as Conservation District members and irrigators in support of the RRGL project "Kohrs and Manning Ditch Company Infrastructure Improvements" originally submitted by the Deer Lodge Valley Conservation District on behalf of the K&M Company irrigators, and now part of House Bill 6.

This is an important project providing multiple benefits for resource conservation, irrigation efficiency and fisheries concerns in our community, we encourage full support from the Legislature.

Sincerely,

John Hollenback, Chairman, Deer Lodge Valley Conservation District

Dwight Crawford, DLVCD supervisor, and Area 5 Representative, Montana Assoc.
Conservation Districts

Dave Johnson, Irrigator, Kohrs and Manning Ditch Company

Facsimile Transmittal

JAN 31 2013

North Powell Conservation District

(406)846-1703, ext-300 7

(406)846-3134, fax

1002 Hollenback Road, Suite C
Deer Lodge, MT 59722Deer Lodge Valley Conservation
District

Date: 1-31-13

Attention: Rep. Duane Anthony
House Appropriations Committee

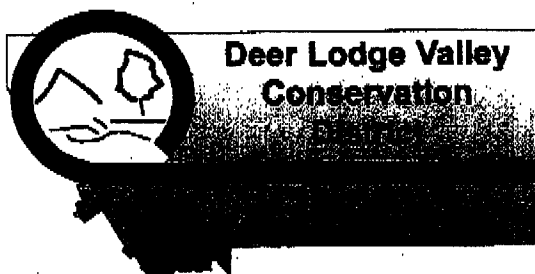
406-444-4825

From: Susie Johnson

Number of pages (including this cover): 2

Comment(s):

Reply requested: ☐ Yes ☐ No



**1002 Hollenback Road, Suite C
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Fax: (406) 846-3134

30 January, 2013

Rep. Duane Ankney, Chair
House Appropriations Committee
Montana 2013 Legislature

To Mr. Chairman and Committee members:

We are writing as Conservation District members and irrigators in support of the RRGL project "Racetrack Water Users Association Water Efficiency and Energy Conservation Project-Phase 1" originally submitted by the Deer Lodge Valley Conservation District on behalf of the Racetrack Water Users Association irrigators, and now part of House Bill 6.

This is an important project providing multiple benefits for resource conservation, energy conservation, irrigation efficiency and fisheries concerns in our community, we encourage full support from the Legislature.

Sincerely,

John Hollenback, Chairman, Deer Lodge Valley Conservation District

Dwight Crawford, DLVCD supervisor, and Area 5 Representative, Montana Assoc.
Conservation Districts

Jim Berg, Irrigator, Racetrack Water Users Association

May 5, 2012

**LETTER OF INTENT BY MEMBERS OF THE
RACETRACK WATER USERS ASSOCIATION**

***Regarding Participation in Phase 1 of the Racetrack Water Users Association
Water Efficiency and Energy Conservation Project – Cement Ditch***

The undersigned members of the Racetrack Water Users Association, an association of irrigators that irrigate with water rights from Racetrack Creek, execute this letter to confirm their intention to participate in Phase 1 of the Racetrack Water Users Association Water Efficiency and Energy Conservation Project on the Cement Ditch. A summary and a map describing Phase 1 are attached to this letter.

Phase 1 will convert the following ditch sections from an open canal to a buried gravity flow pipeline: (a) the upper shared section of the Cement Ditch before the ditch splits into the North and South Branches; (b) the entire North Branch of the Cement Ditch, and (c) approximately 2,900 feet of the South Branch of the Cement Ditch. The estimated cost of Phase 1 is approximately \$3.4 Million (based on preliminary engineering estimates).

In addition to improving the viability of agriculture in the area, Phase 1 has two specific natural resource benefits: (1) energy conservation and (2) water conservation. The projected energy savings from Phase 1 of the Project is estimated at 327,000 Kilowatt Hours per year or \$31,673 in electrical pumping costs annually. In recognition of the benefits that will accrue to the undersigned, including reduced pumping costs and an improved irrigation system with reduced maintenance costs, the undersigned intend to provide a cash match in the amount of 25% (currently estimated to be a total of \$803,000) towards Phase 1 Project costs. The amount of cost share to be expended by any individual water user will be calculated based on their proportional share of irrigation water and proportional share of linear feet of piping. Estimated individual costs based on current Phase 1 design are shown in the attached spreadsheet.

In addition to providing a 25% cash match, if grant funding is secured for the remaining 75% of the Phase 1 Project costs (currently estimated at \$2.6 Million), the undersigned intend to dedicate a portion of the conserved water for instream flow purposes for a term equaling the life of the Project (estimated at 100 years). Assuming full participation by irrigators benefitting from Phase 1, implementation of Phase 1 would result in an estimated water savings available for dedication to instream flow of approximately 4 cubic feet per second (cfs) or 160 miner's inches (MI) as follows:

- (a) North Branch of the Cement Ditch: savings of 10% of the diverted flow rate, which amounts to approximately 4 cubic feet per second (cfs) or 160 miner's inches (MI);

The undersigned agree to work with granting agencies and organizations, including the Clark Fork Coalition, to implement Phase 1 and take any necessary steps to bring Phase 1 to fruition. It is therefore the intent of the undersigned water users to execute this letter to memorialize their intention to jointly pursue Phase 1 of the Project.

[Signature Pages to Follow]

Signature Page for Letter of Intent:
Participation in Phase 1 of the Racetrack Water Users Association
Water Efficiency and Energy Conservation Project

Rbad N Ranch L.L.C
Water User Name (Print)

[Signature]
(Signature)

5-8-12
(Date)

Louise Beck
Water User Name (Print)

[Signature]
(Signature)

5/11/12
(Date)

Jed Beck
Water User Name (Print)

[Signature]
(Signature)

5/11/12
(Date)

Kanis Ka Ranches Inc
Water User Name (Print)

[Signature]
(Signature)

5/12/12
(Date)

Jim Berg
Water User Name (Print)

[Signature]
(Signature)

5/12/12
(Date)

Kaehl Berg
Water User Name (Print)

[Signature]
(Signature)

5-12-12
(Date)

DAN Kelley
Water User Name (Print)

[Signature]
(Signature)

5-12-12
(Date)

Marla Hanson
Water User Name (Print)

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5-12-12
(Date)

Water User Name (Print)

(Signature)

(Date)

Water User Name (Print)

(Signature)

(Date)

Racetrack Pipeline Project (Phase 1) Projected Landowner Costs

Cement Ditch Piping: Upper 3,000 LF, N Branch 20,100 LF, S Branch 2,900 LF-- \$3.42 Mil (No Contingency)

Landowner: (N Branch)	Rights (M):	CFS	% of Irrig. (Ind. Part)	% Irrig. (Whole)	Total Shared Costs	Total Section Costs	Total:	Grants (75%)	Landowner Cost Share (25%)	Cost/Mil
							20,100 LF			
Dallaserra	40	1	2.74%	1.49%	\$ 11,516	\$ 55,096	\$ 66,611	\$ 49,958	\$ 16,653	\$ 416.32
Berg	215	5.375	14.72%	8.01%	\$ 61,896	\$ 296,139	\$ 358,036	\$ 268,527	\$ 89,509	\$ 416.32
Cline	700	17.5	47.94%	26.07%	\$ 201,523	\$ 964,175	\$ 1,165,698	\$ 874,273	\$ 291,424	\$ 416.32
Ted Beck	350	8.75	23.97%	13.03%	\$ 100,762	\$ 482,087	\$ 582,849	\$ 437,137	\$ 145,712	\$ 416.32
Dave Beck	150	3.75	10.27%	5.59%	\$ 43,184	\$ 206,609	\$ 249,792	\$ 187,344	\$ 62,448	\$ 416.32
Hanson	5.2	0.13	0.36%	0.19%	\$ 1,497	\$ 7,162	\$ 8,659	\$ 6,495	\$ 2,165	\$ 416.32
Subtotal	1460.2	36.51	100.00%		\$ 418,880	\$ 2,011,268	\$ 2,431,645	\$ 1,823,734	\$ 607,911	\$ 416.32
(S Branch)							\$ -	\$ -	\$ -	
Kesler	285	7.125	23.27%	10.61%	\$ 82,049	\$ 99,503	\$ 181,552	\$ 136,164	\$ 45,388	\$ 159.26
Kelley	200	5	16.33%	7.45%	\$ 57,578	\$ 69,827	\$ 127,405	\$ 95,554	\$ 31,851	\$ 159.26
Diaz	200	5	16.33%	7.45%	\$ 57,578	\$ 69,827	\$ 127,405	\$ 95,554	\$ 31,851	\$ 159.26
Peg Beck	300	7.5	24.49%	11.17%	\$ 86,367	\$ 104,740	\$ 191,107	\$ 143,330	\$ 47,777	\$ 159.26
Nicholes	120	3	9.80%	4.47%	\$ 34,547	\$ 41,896	\$ 76,443	\$ 57,332	\$ 19,111	\$ 159.26
Ueland	120	3	9.80%	4.47%	\$ 34,547	\$ 41,896	\$ 76,443	\$ 57,332	\$ 19,111	\$ 159.26
Subtotal	1225	30.63	100.00%		\$ 352,665	\$ 427,689	\$ 780,355	\$ 585,266	\$ 195,089	\$ 159.26
Fish Screen							\$ 208,600	\$ 208,600		
Total	2685.2	67.13		100.00%	\$ 773,042	\$ 2,438,958	\$ 3,420,600	\$ 2,617,600	\$ 803,000	\$ 299.05

Projected Water Savings:

N Branch: 10% * 36 3.65



**MORRISON
MAIERLE, INC.**
3011 Palmer Street Ph: (406) 542-8890
Missoula, Montana 59808 Fax: (406) 542-4801

ENGINEER'S OPINION OF PROBABLE COST*

Date: 4/23/2012
Project #: 5002.001
Project Name: Racetrack WUA PER
Engineer: M. Barnes, M. Skorpik

CEMENT DITCH ALTERNATIVE 3 - PIPING****

Item #	Description	Quantity	Unit	Unit Price	Total Price
101	Mob/Demob	1	LS	\$17,500	\$17,500
102	General Requirements	1	LS	\$46,200	\$46,200
103	Taxes, Bonds, Insurance	1	LS	\$46,200	\$46,200
104	Concrete Inlet Structure/Sediment Basin	1	LS	\$37,550	\$37,550
105	Upper Section HDPE Pipe - 36 inch	3,000	LF	\$104	\$312,000
106	North Branch HDPE Pipe - 36 inch	100	LF	\$104	\$10,400
107	North Branch HDPE Pipe - 30 inch	8,000	LF	\$86	\$688,000
108	North Branch HDPE Pipe - 24 inch	6,800	LF	\$65	\$442,000
109	North Branch HDPE Pipe - 18 inch	2,600	LF	\$47	\$122,200
110	North Branch HDPE Pipe - 12 inch	2,600	LF	\$36	\$93,600
111	South Branch HDPE Pipe - 36 inch	2,900	LF	\$104	\$301,600
112	Air Release Valves/Vents	10	EA	\$2,625	\$27,000
113	Turnouts	6	EA	\$2,400	\$14,400
114	Concrete Outlet Structure	1	LS	\$37,550	\$37,550
115	Excavation/Embankment - Upper Section	12,000	CY	\$10	\$120,000
116	Surface Restoration - Upper Section	5,800	LF	\$15	\$87,000
117	Existing Concrete Hauling and Disposal	1,500	CY	\$10	\$15,000

CONSTRUCTION SUB-TOTAL \$2,418,200

CONTINGENCY 15% \$362,700

SURVEY	0.5%	\$13,900
ENGINEERING DESIGN	8.0%	\$222,500
BIDDING	1.0%	\$27,800
CONSTRUCTION ADMINISTRATION	6.0%	\$166,900

* This draft estimate is for planning and informational use only and is not intended for bidding or construction.

** The hydraulic model used to determine pipe sizes was based on irrigation water demands provided by RWUA irrigators, updated after 3-1-2012 public meeting. Alternative 3 includes piping of the entire Upper Section and North Branch and piping of the South Branch to the edge the property owned by Mike Simpson.

*** Unit prices are based on budget estimate from Jensen Construction and Ready Mix dated 2/29/2012. Raw unit prices from this estimate were reduced 25% to account for contingency built in to Jensen's estimate.

****It should be noted that many factors affect final construction costs including future availability and costs of labor, equipment and materials, market conditions, the contractor's construction techniques -- all of which are beyond an engineer's control. The opinions of probable project construction cost provided for herein are to be made on the basis of the engineer's experience and qualifications and represent the engineer's best judgment as an experienced and qualified professional familiar with the local construction industry.



**MORRISON
MAIERLE, INC.**
3011 Palmer Street Ph: (406) 642-8880
Missoula, Montana 59808 Fax: (406) 642-4801

ENGINEER'S OPINION OF PROBABLE COST*

Date: 4/23/2012
Project #: 5002.001
Project Name: Racetrack WUA PER
Engineer: B. Burnett

FISH SCREEN ALTERNATIVE 3 - Vertical Flat Plate

Item No.	Description	Quantity	Unit	Unit Price	Total Price
201	Mobilization - Demobilization	1	L.S.	\$5,000	\$5,000
202	General Requirements	1	L.S.	\$15,000	\$15,000
203	Taxes, Bonds, and Insurance	1	L.S.	\$10,000	\$10,000
204	Earthwork	75	C.Y.	\$20	\$1,500
205	Concrete Base Slabs Screen Structure	50	C.Y.	\$450	\$22,500
206	Structural Concrete, wall Screen Structure	8	C.Y.	\$1,000	\$8,000
207	Screen Panels	120	S.F.	\$195	\$23,400
208	Structural Steel and Galvanizing	1	TON	\$10,000	\$10,000
209	Paddle Wheel drive system	1	L.S.	\$15,000	\$15,000
210	Bypass Channel pipe	200	L.F.	\$25	\$5,000
211	Brush Cleaning System	1	L.S.	\$30,000	\$30,000
212	Site Grading	75	C.Y.	\$10	\$750
213	Site Restoration and Seeding	0.5	AC	\$5,000.0	\$2,500

CONSTRUCTION SUB-TOTAL \$148,700
CONTINGENCY 15% \$22,300

SURVEY	1.0%	\$1,700
ENGINEERING DESIGN	10%	\$17,100
BIDDING	1%	\$1,700
CONSTRUCTION ADMINISTRATION	10%	\$17,100

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Facsimile Transmittal

Conservation District

(406)846-1703, ext. 300 7

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1002 Hollenback Road, Suite C
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District

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